

Amendments to the Specification:

Please amend the paragraph beginning at page 3, line 13, as follows:

A first aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit handle at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and identification information for identifying the screen display data. The device further transmits the screen display data and the identification information to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the identification information from the device through the transmission path, and displays the operating screen on the display means using the screen display data. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path. path,
~~at least one of the first unit and the second unit being for handling at least one of video, audio, and information;~~
~~the device~~
~~having screen display data for displaying an operating screen of the device and identification information for identifying the screen display data; and~~
~~transmitting the screen display data and the identification information to the controller through the transmission path; and~~
~~the controller~~
~~comprising a user interface including display means;~~
~~receiving the screen display data and the identification information from the device through the transmission path;~~
~~displaying the operating screen on the display means using the screen display data; and~~

in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path.

Please amend the paragraph beginning at page 4, line 12, as follows:

A second aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit being for handling at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and identification information for identifying the screen display data, and transmits the screen display data and the identification information to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the identification information from the device through the transmission path, and displays the operating screen on the display means using the screen display data and the identification information. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path.

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

the device

having screen display data for displaying an operating screen of the device and identification information for identifying the screen display data, and

transmitting the screen display data and the identification information to the controller through the transmission path; and

the controller

comprising a user interface including display means;

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- receiving the screen display data and the identification information from the device through the transmission path;
- displaying the operating screen on the display means using the screen display data and the identification information, and
- in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path.

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Please amend the paragraph beginning at page 5, line 11, as follows:

According to the first or second aspect of the present invention, by identifying the screen display data with the identification information, the device can easily and reliably recognize to which screen display data the user operation information sent by the controller is directed, thereby preventing erroneous operation of the device. Further, according to the first or second aspect, the controller manages the screen display data representing the operating screen of the device, and transmits the operation information based on the user's operation. However, the controller does not have to understand the meaning of the function of the device or the operation (the relation between the operation and the function of the device). In other words, user interface information (screen display data, operation information, etc.,) is managed and processed by the controller, while control information directly related to device control (information indicating the function of the device, information indicating the relation between the function of the device and the operation, etc.,) is by the device. Therefore, the processing in the controller is reduced, and the types of operation for controlling the device by the controller are not limited but can be varied. Furthermore, according to the first or second aspect, the controller obtains the screen display data representing the operating screen of the device and the identification information from the device and displays the operating screen of the device using the obtained data and information. Therefore, even if the device has a new function that cannot be presently assumed, only by sending the screen display data corresponding the new function from the device to the controller, the new function can be easily provided for and is made available to the user.

Please amend the paragraph beginning at page 6, line 16, as follows:

According to a third aspect of the present invention, further to in the first or second aspect,
C4 the identification information includes version information indicating a version of the screen display
data. aspect;
— the identification information includes version information indicating a version of the screen
display data.

Please amend the paragraph beginning at page 7, line 13, as follows:

According to a fourth aspect of the present invention, further to in the first or second aspect,
C5 the operation information includes an operating position information indicative of an operating
position on the operating screen. aspect;
— the operation information includes an operating position information indicative of an operating
position on the operating screen.

Please amend the paragraph beginning at page 7, line 25, as follows:

A fifth aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the
C6 first unit and the second unit handle at least one of video, audio, and information. The device has
screen display data composed of a plurality of partial screen display data for displaying an operating
screen of the device and transmits the partial screen display data to the controller through the
transmission path. The controller comprises a user interface including display means, receives the
partial screen display data from the device through the transmission path and displays the operating
screen on the display means using the partial screen display data. In response to an operation by a
user to the operating screen, the controller controls the device by transmitting operation information
indicative of the operation to the device through the transmission path.

path;

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

the device

having screen display data composed of a plurality of partial screen display data for displaying an operating screen of the device, and

transmitting the partial screen display data to the controller through the transmission path, and

the controller

comprising a user interface including display means;

receiving the partial screen display data from the device through the transmission path;

displaying the operating screen on the display means using the partial screen display data; and

in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation to the device through the transmission path.

Please amend the paragraph beginning at page 9, line 2, as follows:

According to a sixth aspect of the present invention, further to in the fifth aspect, when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data to the controller. Further, the controller receives the changed partial screen display data from the device through the transmission path and, based on the received partial screen display data, updates the operating screen displayed on the display means. aspect,

when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data to the controller, and

the controller receives the changed partial screen display data from the device through the transmission path and, based on the received partial screen display data, updates the operating screen displayed on the display means.

Please amend the paragraph beginning at page 9, line 18, as follows:

According to a seventh aspect of the present invention, further to in the fifth aspect, the device has partial screen identification information for identifying the partial screen display data, and transmits the partial screen display data and the partial screen identification information to the controller through the transmission path. The controller receives the partial screen display data and the partial screen identification information from the device through the transmission path. aspect;

the device

has partial screen identification information for identifying the partial screen display data, and

transmits the partial screen display data and the partial screen identification information to the controller through the transmission path, and

the controller

receives the partial screen display data and the partial screen identification information from the device through the transmission path.

Please amend the paragraph beginning at page 10, line 5, as follows:

According to an eighth aspect of the present invention, further to in the seventh aspect, when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data and the partial screen identification information of the partial screen display data to the controller. Further, the controller receives the changed partial screen display data and the partial screen identification information of the partial screen display data from the device through the transmission path and, based on the received partial screen display data and partial screen identification information, updates the operating screen displayed on the display means. aspect;

when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data and the partial screen identification information of the partial screen display data to the controller, and

the controller receives the changed partial screen display data and the partial screen identification information of the partial screen display data from the device through the transmission

C9 path and, based on the received partial screen display data and partial screen identification information, updates the operating screen displayed on the display means.

Please amend the paragraph beginning at page 10, line 25, as follows:

According to a ninth aspect of the present invention, further to in the seventh aspect, in response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation and the partial screen identification information corresponding to the operation to the device through the transmission path. aspect, in response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation and the partial screen identification information corresponding to the operation to the device through the transmission path.

Please amend the paragraph beginning at page 11, line 15, as follows:

According to a tenth aspect of the present invention, further to in the seventh or ninth aspect, the partial screen identification information includes version information indicating a version of the partial screen display data. aspect, the partial screen identification information includes version information indicating a version of the partial screen display data.

Please amend the paragraph beginning at page 12, line 7, as follows:

According to an eleventh aspect of the present invention, further to in the seventh or ninth aspect, one display element in screen display is arranged in any one of a plurality of display parts corresponding to the plurality of partial screen display data. aspect, one display element in screen display is arranged in any one of a plurality of display parts corresponding to the plurality of partial screen display data.

Please amend the paragraph beginning at page 12, line 20, as follows:

According to a twelfth aspect of the present invention, further to in the seventh or ninth aspect, a display element corresponding to each operation by the user is arranged in any one of a plurality of display parts corresponding to the plurality of partial screen display data. aspect;
a display element corresponding to each operation by the user is arranged in any one of a plurality of display parts corresponding to the plurality of partial screen display data.

Please amend the paragraph beginning at page 13, line 9, as follows:

A thirteenth aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit handle at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen and transmits the screen display data and the overlap display data to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the overlap display data from the device through the transmission path, and displays the operating screen on the display means using the screen display data, and carries out overlap display on the operating screen displayed on the display means by using the overlap display data. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation to the device through the transmission path.

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;
the device
having screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen; and
transmitting the screen display data and the overlap display data to the controller through the transmission path, and

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- the controller
- comprising a user interface including display means;
- receiving the screen display data and the overlap display data from the device through the transmission path;
- displaying the operating screen on the display means using the screen display data, and carrying out overlap display on the operating screen displayed on the display means by using the overlap display data; and
- in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation to the device through the transmission path.

Please amend the paragraph beginning at page 14, line 9, as follows:

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- According to a fourteenth aspect of the present invention, further to in the thirteenth aspect, the overlap display data is cursor information for displaying a cursor indicative of a position of operation by the user to said operating screen. aspect,
- the overlap display data is cursor information for displaying a cursor indicative of a position of operation by the user to said operating screen.

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Please amend the paragraph beginning at page 14, line 14, as follows:

- According to a fifteenth aspect of the present invention, further to in the fourteenth aspect, the cursor information includes position information indicative of a position of the cursor on the operating screen. aspect,
- the cursor information includes position information indicative of a position of the cursor on the operating screen.

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Please amend the paragraph beginning at page 14, line 18, as follows:

- According to a sixteenth aspect of the present invention, further to in the fourteenth aspect, the cursor information includes shape information indicative of a shape of the cursor. aspect,

C11 ~~the cursor information includes shape information indicative of a shape of the cursor.~~

Please amend the paragraph beginning at page 15, line 1, as follows:

According to a seventeenth aspect of the present invention, further to in the fourteenth aspect,

C16 ~~the cursor information includes size information indicative of a size of the cursor. aspect,~~
~~the cursor information includes size information indicative of a size of the cursor.~~

Please amend the paragraph beginning at page 15, line 9, as follows:

According to an eighteenth aspect of the present invention, further to in the fourteenth aspect,

C19 ~~the cursor information includes color information indicative of a color of the cursor. aspect;~~
~~the cursor information includes color information indicative of a color of the cursor.~~

Please amend the paragraph beginning at page 15, line 20, as follows:

According to a nineteenth aspect of the present invention, further to in the fourteenth aspect,

C20 ~~the cursor information includes enable information indicating an operation that the user is allowed to~~
~~perform. aspect;~~
~~the cursor information includes enable information indicating an operation that the user is~~
~~allowed to perform.~~

Please amend the paragraph beginning at page 15, line 24, as follows:

C21 According to the nineteenth aspect of the present invention, when an operator carries out operation, whether the operation is allowed or not is determined using enable information in the cursor information. Therefore, if the prohibited operation is instructed, operation information is not transmitted to the device, and error handling can be made in the controller.

Please amend the paragraph beginning at page 26, line 5, as follows:

According to a twentieth aspect of the present invention, further to in the thirteenth aspect,

C22

when a display part corresponding to the overlap display data of the device is changed, the device transmits the overlap display data to the controller, and the controller receives the overlap display data from the device through the transmission path and, based on the received overlap display data, updates the operating screen displayed on the display means. aspect;

C22 when a display part corresponding to the overlap display data of the device is changed, the device transmits the overlap display data to the controller, and
the controller receives the overlap display data from the device through the transmission path and, based on the received overlap display data, updates the operating screen displayed on the display means;

Please amend the paragraph beginning at page 16, line 24, as follows:

C23 A twenty-first aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit handle at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and identification information for identifying the screen display data and transmits the screen display data and the identification information to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the identification information from the device through the transmission path, and displays the operating screen on the display means using the screen display data. path;

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;
the device
having screen display data for displaying an operating screen of the device and identification information for identifying the screen display data; and
transmitting the screen display data and the identification information to the controller through the transmission path, and

C23

- the controller
- comprising a user interface including display means;
- receiving the screen display data and the identification information from the device through the transmission path; and
- displaying the operating screen on the display means using the screen display data.

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Please amend the paragraph beginning at page 17, line 19, as follows:

C24

A twenty-second aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit handle at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and identification information for identifying the screen display data and transmits the screen display data and the identification information to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the identification information from the device through the transmission path, and displays the operating screen on the display means using the screen display data and the identification information. path,

- at least one of the first unit and the second unit being for handling at least one of video, audio, and information;
- the device
- having screen display data for displaying an operating screen of the device and identification information for identifying the screen display data;
- transmitting the screen display data and the identification information to the controller through the transmission path; and
- the controller
- comprising a user interface including display means;
- receiving the screen display data and the identification information from the device through the transmission path; and

C24 ————— displaying the operating screen on the display means using the screen display data and the identification information;

Please amend the paragraph beginning at page 18, line 14, as follows:

C25 A twenty-third aspect of the present invention is directed to a network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in the first unit controls a device in the second unit through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen and transmits the screen display data and the overlap display data to the controller through the transmission path. The controller comprises a user interface including display means, receives the screen display data and the overlap display data from the device through the transmission path, and displays the operating screen on the display means using the screen display data, and carries out overlap display on the operating screen displayed on the display means by using the overlap display data.

———— at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

———— the device

———— having screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen; and

———— transmitting the screen display data and the overlap display data to the controller through the transmission path, and

———— the controller

———— comprising a user interface including display means;

———— receiving the screen display data and the overlap display data from the device through the transmission path, and

displaying the operating screen on the display means using the screen display data, and
C25 carrying out overlap display on the operating screen displayed on the display means by using the overlap display data.

Please amend the paragraph beginning at page 19, line 10, as follows:

A twenty-fourth aspect of the present invention is directed to a second unit that is connected to each other a transmission path to a first unit including a controller and includes a device controlled by the controller through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and identification information for identifying the screen display data, transmits the screen display data and the identification information to the controller through the transmission path, and receives the identification information of the screen display data and operation information indicative of an operation by a user, and operates based on the received identification information and operation information, path;

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

the device

having screen display data for displaying an operating screen of the device and identification information for identifying the screen display data;

transmitting the screen display data and the identification information to the controller through the transmission path; and

receiving the identification information of the screen display data and operation information indicative of an operation by a user, and operating based on the received identification information and operation information.

Please amend the paragraph beginning at page 20, line 2, as follows:

C27
A twenty-fifth aspect of the present invention is directed to a first unit that is connected to each other a transmission path to a second unit and includes a controller for controlling a device included in the second unit through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The controller comprises a user interface including display means, receives screen display data indicative of an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path, and displays the operating screen on the display means using the screen display data. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path.

— at least one of the first unit and the second unit being for handling at least one of video, audio, and information;
— the controller
— comprising a user interface including display means;
— receiving screen display data indicative of an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path;
— displaying the operating screen on the display means using the screen display data; and
— in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information to the device through the transmission path.

Please amend the paragraph beginning at page 20, line 21, as follows:

C28
According to a twenty-sixth aspect of the present invention, further to in the twenty-fourth aspect, the operation information includes operating position information indicative of a position of operation on the operating screen. aspect,
— the operation information includes operating position information indicative of a position of operation on the operating screen.

Please amend the paragraph beginning at page 21, line 1, as follows:

According to a twenty-seventh aspect of the present invention, further to in the twenty-fifth aspect, the operation information includes operating position information indicative of a position of operation on the operating screen aspect;

the operation information includes operating position information indicative of a position of operation on the operating screen.

Please amend the paragraph beginning at page 21, line 6, as follows:

A twenty-eighth aspect of the present invention is directed to a second unit that is connected to each other a transmission path to a first unit including a controller and includes a device controlled by the controller through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The device has screen display data composed of a plurality of partial screen display data for displaying an operating screen of the device, transmits the partial screen display data to the controller through the transmission path, and receives operation information indicative of an operation by a user, and operates based on the received operation information path;

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

the device

having screen display data composed of a plurality of partial screen display data for displaying an operating screen of the device;

transmitting the partial screen display data to the controller through the transmission path; and

receiving operation information indicative of an operation by a user, and operating based on the received operation information.

Please amend the paragraph beginning at page 21, line 21, as follows:

A twenty-ninth aspect of the present invention is directed to a first unit that is connected to each other a transmission path to a second unit and includes a controller for controlling a device included in the second unit through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The controller comprises a user interface including display means, receives a plurality of partial screen display data indicative of an operating screen of the device through the transmission path from the device, and displays the operating screen on the display means using the partial screen display data. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicative of the operation through the transmission path to the device.

at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

the controller

comprising a user interface including display means;

receiving a plurality of partial screen display data indicative of an operating screen of the device through the transmission path from the device;

displaying the operating screen on the display means using the partial screen display data; and

in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation through the transmission path to the device.

Please amend the paragraph beginning at page 22, line 14, as follows:

According to a thirtieth aspect of the present invention, further to in the twenty-eighth aspect, when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data to the controller.

when the screen display data of the device is changed, the device transmits changed partial screen display data of the screen display data to the controller.

Please amend the paragraph beginning at page 22, line 19, as follows:

According to a thirty-first aspect of the present invention, further to in the twenty-ninth aspect, when the screen display data of the device is changed, the controller receives changed partial screen display data of the screen display data from the device through the transmission path and, based on the received partial screen display data, updates the operating screen displayed on the display means. aspect;

when the screen display data of the device is changed, the controller receives changed partial screen display data of the screen display data from the device through the transmission path and, based on the received partial screen display data, updates the operating screen displayed on the display means.

Please amend the paragraph beginning at page 23, line 1, as follows:

A thirty-second aspect of the present invention is directed to a second unit that is connected to a transmission path to a first unit including a controller and includes a device controlled by the controller through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The device has screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen, transmits the screen display data and the overlap display data to the controller through the transmission path, and receives operation information indicating a user's operation transmitted from the controller, and operates based on the received operation information. path;

at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and

the device

having screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen;

transmitting the screen display data and the overlap display data to the controller through the transmission path; and

C34 — receiving operation information indicating a user's operation transmitted from the controller, and operating based on the received operation information.

Please amend the paragraph beginning at page 23, line 16, as follows:

C35 A thirty-third aspect of the present invention is directed to a first unit that is connected through a transmission path to a second unit and includes a controller for controlling a device included in the second unit through the transmission path. At least one of the first unit and the second unit handles at least one of video, audio, and information. The controller comprises a user interface including display means, receives screen display data indicative of an operating screen of the device and overlap display data for overlap display on the operating screen through the transmission path, and displays the operating screen of the device on the display means using the screen display data, and performing overlap display on the operating screen displayed on the display means using the overlap display data. In response to an operation by a user to the operating screen, the controller controls the device by transmitting operation information indicating the operation through the transmission path to the device.

— at least one of the first unit and the second unit being for handling at least one of video, audio, and information;

— the controller

— comprising a user interface including display means;

— receiving screen display data indicative of an operating screen of the device and overlap display data for overlap display on the operating screen through the transmission path;

— displaying the operating screen of the device on the display means using the screen display data, and performing overlap display on the operating screen displayed on the display means using the overlap display data; and

— in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicating the operation through the transmission path to the device.

Please amend the paragraph beginning at page 24, line 10, as follows:

A thirty-fourth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller; displaying the operating screen on the controller using the screen display data transmitted from the device; and in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information from the controller through the transmission path to the device. of:

transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller;

displaying the operating screen on the controller using the screen display data transmitted from the device; and

in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information from the controller through the transmission path to the device.

Please amend the paragraph beginning at page 25, line 3, as follows:

A thirty-fifth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and identification information for

identifying the screen display data from the device through the transmission path to the controller;
displaying the operating screen on the controller using the screen display data and the identification
information transmitted from the device; and in response to an operation by a user to the operating
screen, controlling the device by transmitting operation information indicative of the operation and
the identification information from the controller through the transmission path to the device. of:

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_____ transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller;
_____ displaying the operating screen on the controller using the screen display data and the identification information transmitted from the device; and
_____ in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation and the identification information from the controller through the transmission path to the device.

Please amend the paragraph beginning at page 25, line 22, as follows:

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A thirty-sixth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting at least one of plurality of partial screen display data composing screen display data for displaying an operating screen of the device from the device through the transmission path to the controller;
displaying the operating screen on the controller using the partial screen display data transmitted from the device; and in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation from the controller through the transmission path to the device. of:

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- transmitting at least one of plurality of partial screen display data composing screen display data for displaying an operating screen of the device from the device through the transmission path to the controller;
- displaying the operating screen on the controller using the partial screen display data transmitted from the device; and
- in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation from the controller through the transmission path to the device.

C39

Please amend the paragraph beginning at page 26, line 15, as follows:

A thirty-seventh aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen from the device through the transmission path to the controller; displaying the operating screen on the controller and performing overlap display on the displayed operating screen based on the overlap display data by using the screen display data and the overlap display data transmitted from the device; and in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation from the controller through the transmission path to the device. of:

- transmitting screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen from the device through the transmission path to the controller;
- displaying the operating screen on the controller and performing overlap display on the displayed operating screen based on the overlap display data by using the screen display data and the overlap display data transmitted from the device; and

① 39 in response to an operation by a user to the operating screen, controlling the device by transmitting operation information indicative of the operation from the controller through the transmission path to the device.

Please amend the paragraph beginning at page 27, line 10, as follows:

① 40 A thirty-eighth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, said control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller; and displaying the operating screen on the controller using the screen display data transmitted from the device. of:

transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller, and

displaying the operating screen on the controller using the screen display data transmitted from the device.

Please amend the paragraph beginning at page 27, line 24, as follows:

① 41 A thirty-ninth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller;

and displaying the operating screen on the controller using the screen display data and the identification information transmitted from the device. of:

~~transmitting screen display data for displaying an operating screen of the device and identification information for identifying the screen display data from the device through the transmission path to the controller, and~~

~~displaying the operating screen on the controller using the screen display data and the identification information transmitted from the device.~~

Please amend the paragraph beginning at page 28, line 14, as follows:

~~A fortieth aspect of the present invention is directed to a control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of the first unit and the second unit being for handling at least one of video, audio, and information, and a controller included in the first unit controlling a device included in the second unit through the transmission path. The path, the control method comprising the steps of: transmitting screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen from the device through the transmission path to the controller; and displaying the operating screen on the controller and performing overlap display on the operating screen based on the overlap display data by using the screen display data and the overlap display data transmitted from the device.~~ of:

~~transmitting screen display data for displaying an operating screen of the device and overlap display data for overlap display on the operating screen from the device through the transmission path to the controller, and~~

~~displaying the operating screen on the controller and performing overlap display on the operating screen based on the overlap display data by using the screen display data and the overlap display data transmitted from the device.~~

Please amend the paragraph beginning at page 29, line 16, as follows:

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FIGS. 4A - 4C are ~~is~~ diagrams showing the structure of screen information sent from a device to a controller in the first embodiment.

Please amend the paragraph beginning at page 31, line 18, as follows:

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A device described herein means something to be controlled by a controller. The controller herein means something that it has a user interface including display means such as a video monitor having a graphic display function and operating means such as a mouse, keyboard, and TV remote and controller that a user operates while watching the screen of the video monitor. Note that either one or both of the device and the controller may exist in a single unit. Further, the device corresponds to one node on a transmission path, and a unit may be constructed so as to have a plurality of nodes in a single box. The controller and the video monitor may be different units, and the connection therebetween is arbitrarily determined: they may be connected in an analog manner or with a transmission path as shown in the present embodiment.

Please amend the paragraph beginning at page 35, line 2, as follows:

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The unit configuration information 7 indicates information about the configuration of the device, being written according to the rule shown by a configuration ROM of a CSR (Command and Status Registers) architecture indicated by ISO/IEC 13213:1994. If the 1394 bus is used, the device configuration information includes bus information such as whether the device supports a bus manager and isochronous operation, operation; unit directory including information whether the device supports an AV protocol and a unique ID as an identifier of the device.

Please amend the paragraph beginning at page 37, line 22, as follows:

C46
The unit internal controller 9 controls each components including the internal mechanism of the device, etc. If the device asynchronous data processing part 6 receives a control code indicating an operation of the device, the unit internal controller 9 causes the device to operate according to the control code as instructed by the device asynchronous data processing part 6. Also, according to a

C46 change of state in the device and the user operation, the unit internal controller 9 instructs the screen display data generator 20 to update the screen display data through the information manager 18.

Please amend the paragraph beginning at page 38, line 7, as follows:

The operation of the device in response to the request from the controller, etc., is as follows. If the device or controller is connected to the transmission path 1, the controller first reads the unit configuration information 7 of the device to determine whether the device has screen display data ~~or not~~, making a request to the device for GUI information and reading the screen display data from the screen display data generator 20.

Please amend the paragraph beginning at page 42, line 7, as follows:

C47 Assume the controller and the device are constructed in a single unit. Since the screen display data of the device in the unit is generated in the unit internal controller 9, the unit has the screen display data of the device but the screen display data manager 12 ~~is~~ does not necessarily required to manage it. Also, in this case, the controller signal processing part 10 and the device signal processing part 4, and the controller asynchronous data processing part 11 and the device asynchronous data processing part 6 may be constructed as a single unit, respectively.

Please amend the paragraph beginning at page 49, line 2, as follows:

C48 The screen information shown in FIG. 4(c) does not have an identifier (ID) for identifying each screen display data, but uses version information instead as the identification information. As such, by using a value which sequentially changes according to the changes of the screen display data as the identification information, the controller and the device can easily determine manage to which screen display data the user operation information from the controller to the device is directed. The device can thus easily know which screen display data the controller is now displaying and how much difference there is between the screen on the controller and the screen display data of the device. Further, if the screen display data transmitted from the device is missing or required to be resent due to problems on the transmission path, etc., the controller can easily know the fact of missing or a

C49
retransmission cycle to change the processing according to the degree of missing or control the screen display in consideration of the retransmission cycle, thereby providing a more usable display screen to the user.

Please amend the paragraph beginning at page 49, line 20, as follows:

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Note that the screen information may include in its header part type information indicating a type of the screen display data (for example, a format of the bitmap data), attribute information indicating whether the screen display data is split screen display data ~~or not~~, or has version information ~~or not~~, size information indicating the size of the screen display data, and the like.

Please amend the paragraph beginning at page 50, line 1, as follows:

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Further, the physical/logical structure of the screen information which was read into the controller does not have to be in the same in format as that in the device as long as information that is valid for the screen display included in the screen information in the controller is the same as that in the device. In other words, the screen information does not have to physically include the header as shown in FIGS. 4(a) to (c), etc., as long as information such as header is managed by the controller.

Please amend the paragraph beginning at page 57, line 11, as follows:

C52
In the protocol shown in FIG. 5, the operation information and the identification information of the screen display data are sent from the controller 100 to the device 200 as the operation request. Alternatively, as shown in FIG. 7, the version information may be used instead of the identification information in the operation request 241. With this version information, the device 200 can determine to which operating screen the operation is directed, thereby obtaining the effect similar to that in a case where the protocol shown in FIG. 5 is used.

Please amend the paragraph beginning at page 60, line 7, as follows:

FIG. 8 is a diagram showing the structure of screen information sent from the device to the controller in the present embodiment. In the present embodiment, the screen information is constructed of a plurality of partial screen information corresponding to partial screen display data obtained by dividing screen display data indicative of an operating screen into two or more partial screen displays. Each partial screen information is in a list format, including various header information and attribute information. However, such partial screen information does not have to be in a list structure. Alternatively, each partial screen information may be independent, or a screen information set list does not have to be required.

Please amend the paragraph beginning at page 64, line 7, as follows:

FIG. 11 is a flowchart showing the operation of the version manager in the information manager 18 of the device. In the version manager, when the device is activated, the screen display version information generator 91 first initializes the version information of all partial screen display data, for example, setting the version information to "0" (step S701). Next, the version manager waits until the screen display data is changed (step S702). When the screen display data is changed, the screen display version information generator 91 increments the counter to update the version information of the screen display data (step S703). The incremented counter value indicates a screen display version number after update. Next, the update screen display determination part 92 detects using the screen display update information which partial screen display data has been changed, and then causes the partial screen display version information holding part concerned with the changed partial screen display data to update the version information thereof. That is, the screen display version number is substituted into the version information of the partial screen display data, which is the counter value incremented of the screen display version information generator 91 (step S704). In this way, after the version information of the partial screen display data is updated, it is determined whether an instruction for ending this series of processing by the version manager is provided or not (step S705). If not no, the procedure returns to step S702 to repeat the above series of processing

CS4 (steps S702 to S705). While the device 200 is powered on, the procedure repeats the above series of processing. If it is determined yes (step S705), the series of processing ends.

Please amend the paragraph beginning at page 69, line 15, as follows:

CS5 Note that a manner of dividing the screen display data may vary varied every time the device changes the screen display data according to the change of the information in the device. By way of example, the controller always reconstructs the partial screen display data transmitted from the device to create a frame of screen display data. The created screen display data is stored in screen display data holding part 21. Then, the partial screen display data updated by the device is superimposed on the screen display data held in the screen display data holding part 21 for update. With such structure, the device can transmit partial screen display data of an arbitrary size at an arbitrary position to the controller, thereby simplifying the transmission amount and the processing of the controller and device. Moreover, at this time, in response to the user's operation, the controller sends the version information of the screen display data together with the user operation information to the device.